## **ABSTRACT**

The technique of the invention sets an upper limit torque Tmlmax and a lower limit torque Tmlmin output from a motor generator, based on input and output restrictions Win and Wout of a battery, a motor electric power demand Pm2, an auxiliary machinery electric power demand Pcsm, and a potential loss Ploss (step S150). The technique then restricts a target revolution speed Ne\* of an engine to make an output torque of the motor generator within a range of the lower limit torque Tmlmin to the upper limit torque Tmlmax (steps S180 to S200). This arrangement ensures output of a torque in response to a driver's requirement, while effectively preventing the battery from being charged or discharged excessively.

10